

CLAIMS:

1. A steam ironing device comprising a steam iron having a housing, a heatable soleplate at the bottom side of said housing, and at least one atomization device, said ironing device comprising a water supply device, a steam generator for generating steam, heating means for heating the steam generator, a flow path between the steam generator and the atomizing device, a valve provided in the flow path between the steam generator and the atomizing device, and an electric pump for delivering water from said water supply device to said steam generator, characterized in that the ironing device comprises control means
- for controlling the power of the heating means of the steam generator,
 - for controlling the flow rate of the pump, and
 - 10 - for controlling the opening and closing of said valve, said valve being open if the ratio between the flow rate (g/min) of the pump and the power (W) of the heating means is in a range of 1:20 to 1:38
2. Ironing device as claimed in claim 1, characterized in that the ratio between the flow rate (g/min) of the pump and the power (W) of the heating means is in a range of 1:23 to 1:30.
3. Ironing device as claimed in claim 1 or 2, characterized in that said atomizing device comprises at least one nozzle provided in a front part of the housing.
- 20 4. Ironing device as claimed in claim 1, 2 or 3, characterized in that said atomizing device comprises at least one nozzle provided in a tip area of the soleplate.
5. Ironing device as claimed in any one of the claims 1 to 4, characterized in that the soleplate is provided with at least one discharge opening which is connected to the steam generator through a second flow path in which a steam chamber is provided.
- 25 6. Ironing device as claimed in any one of the claim 1 to 4, characterized in that the soleplate is provided with at least one discharge opening which is connected to the steam

generator through a second flow path between said valve and said at least one discharge opening, said valve opening the second flow path if the ratio between the flow rate of the pump and the power of the heating means is greater than 1:45.

- 5 7. Ironing device as claimed in any one of the claim 1 to 4, characterized in that the soleplate is provided with at least one discharge opening which is connected to the steam generator through a second flow path in which a second valve is provided, said second valve being open if the ratio between the flow rate of the pump and the power of the heating means is greater than 1:45.

10

8. Ironing device as claimed in claim 6 or 7, characterized in that said iron comprises a steam chamber in said second flow path.